

I claim:

1. A sound and heat insulation material, comprising:

a core layer including at least one of fibers and fiber-type materials and having at least one outer surface, said at least one of said fibers and fiber-type materials being provided with a fire retardant additive; and

a covering layer including a reactivateable material for covering said core layer at said at least one outer surface, said reactivateable material being at least difficult to ignite and being foamable at a given temperature.

2. The sound and heat insulation material according to claim 1, including at least one further reactivateable material, said at least one further reactivateable material being foamable at a further given temperature different from said given temperature.

3. The sound and heat insulation material according to claim 1, wherein:

said core layer is a heat insulation mat including at least one element selected from the group consisting of natural fibers, mineral fibers and synthetic fibers; and

said covering layer includes at least one of a foil and a fiber layer.

4. The sound and heat insulation material according to claim 3, wherein said one of said foil and said fiber layer is impregnated with said reactivateable material.

5. The sound and heat insulation material according to claim 3, wherein said one of said foil and said fiber layer has a surface-active coating.

6. The sound and heat insulation material according to claim 3, wherein said fiber layer is one of a woven fabric and a knit fabric, said fiber layer includes fibers formed of said reactivateable material.

7. The sound and heat insulation material according to claim 3, wherein said fiber layer is one of a woven fabric and a knit fabric, said fiber layer includes fibers coated with said reactivateable material.

8. The sound and heat insulation material according to claim 3, wherein said fiber layer is one of a woven fabric and a knit fabric, said fiber layer includes fibers sprayed with said reactivateable material.

9. The sound and heat insulation material according to claim 1, wherein said covering layer includes at least one reactivateable fiber layer having cut, foamable fibers scattered directly onto said core layer, said cut, foamable fibers having a given length and a given cross-sectional diameter.

10. The sound and heat insulation material according to claim 1, wherein said covering layer includes at least one reactivateable fiber layer having at least one element selected from the group consisting of synthetic material, natural material, renewable material, carbon fibers and glass fibers.

11. The sound and heat insulation material according to claim 1, wherein said reactivateable material is self-extinguishing, said covering layer includes fibers made from said reactivateable material.

12. The sound and heat insulation material according to claim 1, wherein said at least one outer surface includes a first and a second outer surface, said first outer surface covered by a first material layer reactivateable at a first temperature, said second outer surface covered by a second material layer reactivateable at a second temperature different from said first temperature.

13. The sound and heat insulation material according to claim 12, wherein at least one of said first and second material layers is a fiber layer.

14. The sound and heat insulation material according to claim 12, wherein said first material layer has a first layer thickness, said second material layer has a second layer thickness different from said first layer thickness.

15. The sound and heat insulation material according to claim 1, wherein said at least one outer surface includes a given outer surface, said given outer surface is covered by a first material layer reactivateable at a first temperature and at least by a second material layer reactivateable at a second temperature different from said first temperature.

16. The sound and heat insulation material according to claim 15, wherein at least one of said material layers is a fiber layer.

17. The sound and heat insulation material according to claim 15, wherein said first material layer has a first layer thickness, said at least second material layer has a second layer thickness different from said first layer thickness.

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18. The sound and heat insulation material according to claim 1, wherein said core layer has substantial heat and sound insulation properties and includes at least one element selected from the group consisting of synthetic fibers, natural fibers, renewable fibers, glass fibers, mineral fibers and carbon fibers.

19. The sound and heat insulation material according to claim 18, wherein said fibers of said core layer are coated with a reactive, foamable material.

20. The sound and heat insulation material according to claim 18, wherein said fibers of said core layer include foamable fibers.

21. The sound and heat insulation material according to claim 1, including one of a foil, a cardboard, and a sheet-like material attached to said at least one outer surface for producing a mat configuration.

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22. The sound and heat insulation material according to claim 1, wherein said reactivateable material is a non-flammable material.